

A System of Air-Cooling for Blast Furnace Floors,
by J. Tischendorf.

GERMAN, per, Metallurgie, Apr 1955, pp 132-134.

ASLIB-GB137

Sci

Aug 59

95,699

Carbon Brick in Blast Furnaces, by J. Popahey.

GERMAN, per, Metallurgie, Apr 1955, pp 134-144.

ASLIB-08137

Sci

Aug 59

95,695

Rapid Method of Determining Chromium in
Steel, by K. Erz, M. Schnabel.

GERMAN, per, Metallurgie, Vol V, 1955,
pp 163-165.

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Sci - Min/Met
Apr 62

192,087

Corrosion Prevention of Aluminum Through
Natural or Thickened Oxide Films: Recent
Investigations, by D. Altenpohl, 35 pp.

GERMAN, per, Metall, Vol IX, No 5/6, Mar 1955,
pp 164-171.

SLA 57-2570

Sci

Aug 58

69.866

Measures for the Prevention of Coarse Segregations of
Carbide in High Speed Steels, by K. Werner.

GERMAN, per, Metallurgie, Vol V, No 8, 1955,
pp 252-258.

ASLIB-Q941

Sci
Aug 5,

94, 566

New Method for the ~~ANNEALING~~ Annealing of Brass
Strips in Continuous Heating Furnaces,
by Th. Mankar.

GERRMAN, per, Metall, Vol IX, 1955,
pp 967-971.

CSIRO

Sci. - Engr
Jun 62

199, 652

The Use of Beryllium in Lightmetals, by E. A. Smith, E. A. Giessen, 5 pp.

GERMAN, per, Metall, Vol IX, 1955, pp 198, 199.

AEC Tr 2523

57-3371

Sci - Min/Metals
Jun 57

48,649

The Rosin-Rammler Distribution of Particle Size
in Powders, by R. Brenner, A. Vidmajer, 27 pp.

GERMAN, per, Metall, Vol IX, 1955, pp 305-403.

AEC AMRE/Trans/14

Sci - Min/Mat
May 61

150,893

Special Ceramic materials for high temperature applications,
by G. Jucker, 28 pp.

GERMAN, per, Metall, Vol IX, No 9/10, May 1955, pp
358-366. (Loan Copy Only).

SLA 57-2773

Sci

Aug 58

71,454

Developments in Grinding and Polishing Practices, by E. Burkart, 4 pp.

GERMAN, per, Metall, Vol IX, No 11-12, Jun 1955, pp 472, 473.

SLA Tr 57-1907

Sci

Jul 58

67,998

62-16969

Grodzinski, P.
LOW LOAD HARDNESS: ITS ELASTIC, PLASTIC
AND CRACKING COMPONENTS. [1962] 11p. (tables
figs. refs. omitted)
Order from SLA \$1.60 62-16969

I. Grodzinski, P.

Trans. of Metall (West Germany) 1955 [v. 9, Dec]
p. 554-560.

DESCRIPTORS: *Hardness, Elasticity, Plasticity,
Fracture (Mechanics), Load distribution, Metals,
Plastic flow.

(Metallurgy, TT. v. 8, no. 11)

Office of Technical Services

Researches on the Cutting Properties of
WC-TiC-Co Alloys, by H. J. Booss.

GERMAN, bino per, Metall, Vol IX, No
13/14, 1955, pp 560-564.

D.S.I.R./27515

Sci - Chemistry
Apr 57 CTS/dex

46, 439

Standardization in the Field of Corrosion and
Corrosion-Protection in Germany, 5 pp.

H
GERMAN, par, Metal, Vol IX, No 13/14, Jul 1955,
p 593.

Sci - Min/Mat
Apr 1957

SLA Tr 1806 *Jan 1957*
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Absorption of Hydrogen by Lead and Lead Alloys
Containing Magnesium and Calcium, by W. Mannchen,
M. Haum, 10 pp.
GERMAN, per, Metall, Vol IX, No 15, 16, 1955,
pp 686-689. 9223340
AEC-AI-Tr-52

Sci-Mat & Met
Aug 64

265,627

Preparation of Micro-Test Pieces from Dif-
ficulty Workable Metallic Materials, by R.
Palme and H. Wagner.

GERMAN, per, Metall, Vol IX, No 17/18, 1955,
p 752.

ASLIB-GH3

Sci

Aug 58

71,700

61-16250

Klärting, J. and Licht, F. R.
NOISE MEASUREMENTS FOR THE CONTROL AND
CONDUCT OF THE BLOW IN THE BESSEMER PROC-
ESS, PTR. 1-2. [1956] [19]p. 5 refs.
Order from SLA \$1.60 61-16250

Abstract trans. of Metal (West Germany) 1955, v. 9,
no. 17/18, p. 780-783 (originally pub. as [Centre de
Documentation Siderurgique]. Circulaire d'Informa-
tions] Techn[iques] 1956, v. 13, p. 1091-1099) and
1956, v. 10, no. 8/9, p. 405-415.

DESCRIPTORS: Blast furnaces, Steel, *Noise, Intensity,
Manufacturing methods, Quality control, Measurement

I. Title: Bessemer process
I. Klärting, J.
II. Licht, F. R.

177043

Office of Technical Services

(Metallurgy, TT, v. 6, no. 4)

Behavior of Metal Heating Wires When Tested for
Service Life, by Part II, by A. Schulze, D. Bender.

GERMAN, per, Metall, Vol IX, No 15/20, 1955,
pp 878-882.

Brutcher No 3742
\$5.90

Sci - Min/metals

40,667

The Lattice Constitution and the Property Changes
of Copper-Rich Copper-Silicon and Copper-
Manganese-Silicon Alloys, by M. Nony,
K. L. Dreyer, 36 p.

GERMAN, per, Metall, 1955, Vol IX, No 21/22,
pp 947-954.

SLA 59-17772

Sci
Feb 60
Vol 2, No 9

107,006

V. G. Speranski,

GERMAN, per, Metallurg, No 8, 1956, pp 12-15.

C.S.I.R.O.

Sci-Biographic

May 60

115,959

The Use of Beryllium in Light Metals, by
E. A. Smith and E. A. Giessen, 5 pp.

GERMAN, per, Metall, Vol IX, No 5/6, Mar
1956.

7
SLA 57-3371
ABC Tr 2923

Sci

Aug 58

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Thews, E. R.
MODERN REFINING METHODS FOR LEAD SCRAP
AND BABBITT METAL SCRAP. [1962] 12p.
Order from SLA \$1.60 63-10016

Trans. of Metall (West Germany) 1956, v. 10, no. 1/2,
p. 16-20.

DESCRIPTORS: *Smelting, *Lead, Purification,
Material separation, Refineries.

(Metallurgy--Nonferrous Metals, TT, v. 10, no. 4)

63-10016

1. Title: Babbitt
2. Title: Scrap
1. Thews, E. R.

Office of Technical Services

Recent developments in the construction of
Pistons for Internal Combustion engines, by
H. Schneider, A. Mitsch. UFGI.

GERMAN, per, Metall, ~~max~~ No 5/6, 1956,
pp 205-211.

Aluminium Lab, Ltd

Sci - Ingr
Jan 60

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SLA 59-20314
10 (2) 1011

Fine Forging and Forging Equipment, by K. W.
Michler.

GERMAN, per, Metall, 1956, pp 293-297.

ASLIB-0895

Sci

Jul 59

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The Internal Damping in Metals, by E. Waldschmidt.
GERMAN, per, Metall, Vol 10, 1956, pp 400-404.
*NTIS/NBS TT 71-55124
Available NBS Only

June 71

Influence of Rate of Loading on the Stress-Strain Diagram During Tension Tests, by F. Fischer. URCL

GERMAN, per, Metall, Vol X, No 9, 10, 1956, pp 419-423.

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Ottawa 2, Canada

84,992

^F
Reconstruction of Foundations and Digging of a High
Automatic Fuel Furnace, by P. Thierry.

GERMAN, par, Metallurgie, May 1956, pp 439-449.

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Sci

Aug 59

95, 698

Corrosion, IR Crack Formation and Erosion on the
External Surfaces of Copper Alloy Condenser Tubes
(Part I). by P. W. Rothing

GERMAN, per, Metall, Vol X, No 11/12, 1956,
pp 520-523. 9093936

ACSIL Tr 1053

Sci - Chem

175,163

Dec 61

Protective Coatings for Light Metals, by
A. Pollack, 19 pp. UNCL

GERMAN, par, Metall, Vol X, 1956, Part 11/12,
pp 523-527. CIA 9039027

ACHIL 1054

Sci - Chem, corrosion
May 59

(GL/10/1054)

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TITANIUM Coatings on Metals and Ceramic
Objects, by M. E. Strazmanis, & A. W.
Schlechten.

CHERMAN, per, Metall, Vol I, 1956,
pp 901-910.

CSIRO

Sci - Min/Met
Jtm 62

199, 653

Schwarz, W.
OUR PRESENT CONCEPT OF THE ELECTRO-
CHEMICAL MECHANISM OF CORROSION, PT. 2
[1961] 10p.
Order from ATS \$12.85

ATS-43N46G

Trans., of Metall. (West Germany 1956, v. 10,
no. 19/20, p. 921-925.

61-22145

- I. Corrosion--
Electrical factors
- I. Schwarz, W.
- II. ATS-43N46G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/471-6T

10812

Office of Technical Services

(Metallurgy--Corrosion, TT, v. 5, no. 11)

Yugoslavia Aluminum Industry, 1 p.

GERMAN, per, Metall, Sep 1956, p 945.

CIA/FDD X-2188

40,018

SEur - Yugoslavia
Economic
Oct 1956

Asian Aluminum Industry, 1 p.

GERMANY, per, Metall, Vol X, Oct 1956, p 1,000.

CIA/FDD X-2205

NE/A - India
FE - Japan
Economic - Alumina, Aluminum
Nov 1956 CTS/dax

40,910

Re: Aluminium Industry Joint-Stock Company (AIAG),
3 pp.

GERMAN, no per, Metall, Vol X, Nov 1956, p 1104.

CIA/FID X-223)

WBar - Germany; Italy; ~~Swiss~~ Switzerland
Economic - Production, plants
Feb 1956 CEM/dex

42,889

Foreign Aluminum Developments, 2 pp.

GERMANY, no par, Metall, Vol X, Dec 1956, pp 1195, 1196.

CIA/YDD X-2240

IA - Brazil; Colombia

Economic - Production, plants

42, 890

NE/A - India

Economic - Production, planning

Feb 1956 CTS/dax

Kroll, W. J.
MELTING BY THE ELECTRIC ARC IN VACUUM.
[1963] 20p. 17 refs.
Order from SLA \$1.60 63-16862

Trans. of Metall. (West Germany) 1957 [v. 11, no. 1]
p. 1-7.

DESCRIPTORS: *Titanium, *Zirconium, Melting,
*Electric arcs, *Glow discharges, Gases, Absorption,
*Vacuum systems, *Electrodes, Porous metals,
Impurities, Hydrogen, Chlorides, Magnesium,
Vaporization.

Topics include: Electrical phenomena in gases in a
partial vacuum; the glow discharge; the sponge elec-
trode and its behavior; the hydrogen problem; the pro-
portion of sponge electrodes in vacuum melting; and
melting under low partial pressure.
(Metallurgy, TT, v. 10, no. 7)

63-16862

I. Kroll, W. J.

Office of Technical Services

Proceedings in Sintering Metallic Industrial
Materials, by R. Palma, 9 p.

GERMAN, per, Metall, 1957, Vol XI, No 1, pp 8-9.

ELA 59-17625

Sci
Feb 60
Vol 2, No 9

107,007

Qualitative Evaluation of Soft Copper Wire for Coils
Used in the Electrical Industry, 28 pp.

GERMAN, per, Metall, Vol XI, No 2, Feb 1957,
pp 104-112.

OSIR 177

171,634

Sci - Elect

Oct 61

Effects of Antimony Additions on Aluminium
Alloys, by W. Thury,

GERMAN, per, Metall, Vol XI, No 3, pp 190-192.

C.S.I.R.O.

Sci - Chem

May 60

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Concerning Stress Corrosion in Non-Iron Metal
Alloys, by H. Vosskuhler, 12 pp.

~~SECRET~~
SECRET, par, Metall, Vol XI, 1957, pp 193-
196.

AEC Tr 3253

Sci - Min/met
Jun 58

65,967

Russian Aluminum Production in 1955, 1 p.

GERMANY, per, Metall, Vol XI, Mar 1957, p 265.

CIA/FDD X-2388

USBR
Econ
Apr 57

Creep Tests in Multi-Specimen Machines at
Temperatures Over 500°C, by H. Wiegand, E. Rechner,
WIKI

ANSRAN, por, Metall, May 1957, pp 357-361;
Mag 1958, pp 803-810.

British Iron and
Steel Ind 1156

Sci - Mtc/Hot
May 59

85,827

Bauxite and Aluminum in Yugoslavia, 1956.

GERMAN, per, Metall, Vol XI, p 431, May 1957.

CIA/FDD X-2493

EEur - Yugoslavia

Econ

Creep Properties of Soft Solders, by A. Keil,
9 pp.
GERMAN, per, Metall, Vol 11, No 5, 1957, pp 740-742.
AEC/SC/Tr-69-1037

Sci/Materials
Oct 69

392,242

Reduction of Contamination in Refined Steel by
Non-Metallic Inclusions, by G. S. Gerchikov.

GERMAN, per, Metallurg, No 6, 1957, pp 15-17.

C.S.I.R.O.

Sci-Mat

May 60

115,960

Russian Zone Aluminum Production, 15 pp.

GERMAN, per, Metall, Vol XI, Jun 1957, pp 536-540.

CIA/FDD X-2542

~~EDD X-3048~~

XX-579 ^{NOTED R} 3-3, 180-

EBur - Sov Bloc
Economic - Output
Sep 57

Effect of Loading Rate in Tensile Tests on the
Shape of the Stress-Strain Curve, by W. Engelhardt,
3 pp.

GERMAN, per, Metall, Vol XI, No 8, 1957, pp
676, 677.

AEC 3453

Sci - Min/Met

Jan 59

79,771

Aluminum-Chrome Refractories for Lining Steelwork
Ladles, by Bron, Lande.

GERMAN, per, Metallurg, Sep 1957, pp 17-18.

Co-op Tr Sch Tr 731

Sci - Engr
Feb 58

58,246

Creep Properties of Soft Solders, by A. Keil, 9 pp.
GERMAN, per, Metall, No 11, 1957, pp 740-742.
AEC/SC-Tr-69-1037

Sci/Mater
Jan 70

400,188

Observations Made During Electrolytic Polishing
of Metals, by N. Mohlberger, 29 pp.

GERMAN, per, Metall, Vol XI, 1957, pp 756-761.

AEC Tr 4036

Sci - Min/Met
Jun 60

118,908

Exposure Diagrams for X-Ray Film Work on Titanium
and Zirconium, by K. Sagel, 2 pp. UNCLASSIFIED

GERMAN, par, Metall, Vol XI, 1957, pp 769.

AEC Tr 3128

59 294

Sci - Phys; Chem
Feb 58

Casting Properties of Aluminium-Silicon
Alloys, by H. Kuesmerle.
GEBMAN, per, das Metall, Vol 11, 1957,
pp 848-54.
SLA TT-66-11053
SLA 58-25442

33L, 56L

Sci - Materials
Jul 67

Casting Properties of the Aluminium-Silicon
System, by R. Kummerle,

GERMAN, per, Metall, Vol XI, No 10, pp 848-854.
1957,

C.S.I.R.O.
SLA 58-2542

Sci - min/met

May 60

116,140

A Modern Melting Process for the Production of
Metals and Alloys of Highest Purity, by W.
Scheiffa.

GERMAN, per, Metall, Vol XI, No 10, 1957,
pp 854-859.

Henry Bratcher 4241
\$5.80

Sci - Engr
Oct 58

75,719

New Aluminum Plant Planned in Yugoslavia, 1 p.

GERMAN, per, Metall, Vol XI, Oct 1957, pp 899.

CIA/FDD X-2706

EEur - Yugoslavia

Econ

Feb 58

The Corrosion of Titanium in Molten Salt Baths,
by M. E. Straumanis, Y. P. Huang,

GERMAN, per, Metall, Vol XI, No 12, 1957,
pp 1029-1032.

ATS 505-GJ

Sci - Min/Metals

Aug 60

123,933

Examples of the Use of the Latest Methods in
Metallography, by L. Koch. G. Hejn, 21 pp.
GERMAN, per, Metall, No 12, 1957, pp 1038-1045.
AEC-AI-Tr-55-64

Sci/Mater
Mar 71

<p>Koch, L., Hein, G., and Keste, S. EXAMPLES OF APPLICATIONS OF NEW TECHNIQUES IN METALLOGRAPHY. [1962] 12p. (figs. omitted) 20 refs. Order from SLA \$1.60</p>	<p>62-16839</p>
<p>Trans. of Metall (West Germany) 1957, v. 11, no. 12, p. 1038-1045.</p>	<p>I. Koch, L. II. Hein, G. III. Keste, S.</p>
<p>DESCRIPTORS: *Metallurgy, Electrolytic polishing, Photoengraving, Stresses, Corrosion, Microanalysis, Light, Polarization, Color photography, Grinders.</p>	<p><i>Handwritten notes:</i> Koch, L. Hein, G. Keste, S.</p>
<p>(Metallurgy, TT, v. 9, no. 2)</p>	<p>Office of Technical Services</p>

Foreign Aluminium Information, 2 pp.

GERMAN, per, Metall, Dec 1957.

CIA/FDD X-2728

Feb 58

Selection of Tool Steels for Hot Working,
by Klarfing.

GERMAN, per, Metall, Vol XII, 1958, pp 12-20.

CSIRO

Sci - Engr
Aug 62

211, 320

Porcelain Sinter Metals, Their Production and Utiliza-
tion, by N. Falme, 17 pp.

GERMANY, pap, Metall, Vol XII, 1958, pp 28-32.

AEC 3395

Sci - Min/Met

Nov 58

76, 445

Continuous Casting of Aluminium: The Current
Position, by E. Herrmann. USCL

GERMAN, por, Metall, Vol XII, No 3, 1958, pp 193-197.

Aluminium Laboratories, Ltd.

Sci - Engr
Apr 59

84,786

61-10766

Simons, P. W.
MACHINES AND EXAMPLES OF METHODS OF
OPERATION IN METALWORKING BY ELECTRO-
EROSION. [1960] 9p. (21 figs. [reps.] omitted).
Order from SLA ml\$1.80, ph\$1.80 61-10766

1. Metals--Machining
2. Electroerosive machining--
Equipment
1. Simons, P. W.

Trans. of Metall (West Germany) 1958, v. 12,
[no. 4] p. 262-268.

151849

Office of Technical Services

(Machinery--Manufacturing, TT, v. 5, no. 9)

X-ray Fine-Structure - Examinations of Scale
Layers of Iron-Aluminium-Sinter Materials, by
F. H. Oberhauser.

GERMAN, per, Metall, Vol XLIX, No 6, 1958,
pp 343-345.

C.S.I.R.O.

Sci

May 60

115,768

Changes in the Properties of Materials Due to
Irradiation With Particles and Photons, by K. $\frac{z}{2}$
Sagel, 27 pp.

GERMAN, per, Metall, Vol XII, ^{71-5,} 1958, pp 353-362.

AERE-Trans-858
Harwell

Sci - Chem
Oct 61

171, 226

List 60

Microfluorimetry of Transformation Processes in
Metal, by P. Gabler, C. Reichert, R. Mitsche. UNCL

GERMAN, per, Metall, Vol XII, No 5, 1958,
pp 362-365.

DSIR 34158/CT

Sci - Min/Mnt
Mar 59

83,376

<p>Rüdiger, O. and Winkelmann, A. ELECTRO-EROSIVE WORKING OF METALS. [1961] 33p. (28 figs. omitted). Order from SLA ml\$3.00, pb\$6.30 61-10809</p> <p>Trans. of Metall (West Germany) 1958, v. 12, May, p. 366-380.</p>	<p>61-10809</p> <ol style="list-style-type: none">1. Electroerosive machining2. Metals--Machining <ol style="list-style-type: none">I. Rüdiger, O.II. Winkelmann, A.
<p>151866</p>	
<p>(Machinery--Manufacturing, TT, v. 5, no. 9)</p>	<p>Office of Technical Services</p>

Influences on the Creep Behaviour of TiAl6V4 Alloy,
by U. Dvickur. UNCL

GERMAN, per, Metall, Vol XII, No 5, 1958,
pp 381-386.

DSIR 34157/CT

Sci - Min/Mat
Mar 59

83,393

Experiments Concerning the Improvement of
Titanium Coatings on Iron, Obtained by Nonslectro-
lytic Deposition, by M. E. Straumanis, Y. P.
Huang,

GERMAN, per, Metall, Vol XII, No 6, 1958,
pp 501-503.

ATS 509-GJ

Sci - Min/Metals

Aug 60

123,997

<p>Boosz, H. J. CHEMICAL AND ELECTROCHEMICAL SURFACE TREATMENT OF MOLYBDENUM AND TUNGSTEN. [1961] 12p. ([figs.] refs. omitted). Order from SLA \$1.60</p> <p>61-16166</p> <p>Trans. of Metall (West Germany) 1958 [v. 12] no. 6, p. 508-511.</p> <p>DESCRIPTORS: *Tungsten, *Molybdenum, Electrolytic polishing, Electrodeposition, Electroplating</p> <p>(Materials--Finishes, TT, v. 6, no. 3)</p>	<p>61-16166</p> <p>I. Boosz, H. J.</p> <p>175245</p> <p>Office of Technical Services</p>
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Precious Metals In Research In Industry by H. Wolf.

GERMAN, per, Metall, Vol XII, 1958, pp 585-598

CSIRO

OTS 62-18143

Oct. 62

The Question of Grain Size and Age-Hardening of
Gold-Platinum Alloys, by H. Schmid, 15 p.

GERMAN, per, Metall, 1958, Vol XII, No 7,
pp 612-619.

ATS-13L31G

Sci
Jan 60
Vol 2, No 3

651R0
105,541

61-16167

Keil, A. and Merl, W.
CONCERNING THE WELD AND MATERIAL LOSS
BEHAVIOR IN INTERRUPTING CONTACTS OF SIL-
VER GRAPHITE. [1961] 9p. (10 figs. omitted).
Order from SLA \$1.10 61-16167

L. Keil, A.
IL Merl

Trans. of [Metal] (West Germany 1958, v. 12, no. 7,
p. 619-622).

DESCRIPTORS: *Silver, *Graphite, Welding fluxes,
Sintering, Powder metallurgy, Soldering, Measure-
ment, *Welding

180445

The material-loss of silver-graphite contacts was de-
termined according to the graphite content. A doubling
of the graphite content increases the material-loss rate
10- to 12-fold. The material can also only be used
efficiently in well-constructed rebounding-arm switch-
ing devices. No direct connection could be observed be-
tween the material loss and the physical properties as
(Metallurgy, TT, v. 6, no. 5) (over)

Office of Technical Services

New Means for Brightness Measurement, by R. D.
Schulz-Methke.

GERMAN, per, Metall, Vol XII, No 6, 1958, pp
pp 625-628.

HB 4649

Sci - Engr

Dec 59

104,343

Pore and Bubble Formation During Pressure
Casting, by K. Ruttewit, 35pp
GERMAN, per, Metall, Vol 12, 1958, No 8,
pp 713-721
SIA TT-64-20950

Sci - Mach, Fabri and
Accessory Equip
June 67

327,430

<p>Blum, H. THE "MITRAL" METAL PLATING PROCESS (Mitral - Metallplattierverfahren). [1962] [11]p. 4 refs. Order from SLA \$1.60 62-18185</p>	<p>62-18185</p>
<p>Trans. of Metall (West Germany) 1958, v. 12, no. 9, p. 814-816.</p>	<p>I. Blum, H.</p>
<p>DESCRIPTORS: *Plating, *Zinc, Powder metallurgy, *Zinc coatings, Surfaces, Adhesion.</p>	
<p>(Metallurgy, IT, v. 9, no. 4)</p>	<p>Office of Technical Services</p>

Goss
Production of ~~Thin~~ Structures in Fe-Si
Alloys, by K. Dertert. UNCL

GERMAN, ~~Metall~~, Sep 1958, pp 817-821.

BISI 1401

(A 105.C1.)

Sci - Min/Int
Oct 59

99,601

TT-64-10621

Klatte, H.
CONTINUOUS CASTING OF COPPER: SIGNIFICANCE
OF CASTING SPEED (Zum Stranggiessen von Kupfer:
Die Bedeutung der Giesgeschwindigkeit). [1963] [16p]
(foreign text included) 4 refs
Order from SLA \$1.60 TT-64-10621

I. Klatte, H.
II. Title: Significance...
III. Title: Bedeutung...

Trans. of Metall (West Germany) 1958, v. 12, no. 11,
p. 992-995. (Abstract available)

DESCRIPTORS: *Copper, *Casting, Liquid metals,
Cooling, Microstructure, Fracture (Mechanics)

The continuous casting of copper is possible up to a
certain maximum casting speed or certain maximum
amount of metal cast in the unit of time. Exceeding
these limits results in bars with cracks, mostly in the
middle of the bar. A breaking test performed in a sim-
ply way gives information about the quality, particu-
larly absence of cracks in the cast band. In copper con-
(Metallurgy--Nonferrous Metals, TT, v. 111, no. 10)
(over)

Office of Technical Services

<p>Kücher, R. THE WELDING OF COPPER ALLOYS (Das Schweißen der Kupferlegierungen) tr. by D. A. Sinclair. 1961, 28p. 10 refs. NRCC Technical Trans. 947. Order from NRCC \$1.50 NRCC C-3631</p> <p>Trans. of Metall (West Germany) 1958, v. 12, no. 11, p. 1007-1014.</p> <p>DESCRIPTORS: *Copper alloys, *Welding, *Arc welding, Controlled atmospheres, Argon, Laboratory equipment.</p> <p>(Machinery--Manufacturing, TT, v. 6, no. 5)</p>	<p>61-22395</p> <p>I. Kücher, R. II. NRCC TT-947 III. NRCC C-3631 IV. National Research Council of Canada</p> <p>180529</p> <p>Office of Technical Services</p>
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